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SYMBOL CODE GENERATION PROCEEDING FROM INTERFRAME DPCM OF TDM'd SPATIAL-FREQUENCY ANALYSES OF VIDEO SIGNALS

ABSTRACT

At a sending station in a digital television transmission system embodying the invention, time-division multiplexing either of the spatial-frequency analyses of the video signals from a television camera or of their interframe DPCM responses, both of which have uniform coding rates, is completed prior to symbol coding of interframe DPCM samples. This obviates the problems of time-division multiplexing symbol codes of variable length and of irregular coding rate. Time-division multiplexing is done so as to facilitate symbol coding protocols which include run-length encoding of DPCM samples. At a receiving station in the digital television transmission system time-division demultiplexing takes place after symbol decoding, being done on a per scan line basis.

FIGURE 1

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